

CONSENT FORM

Turrellian LED lamp

Brief Project Outline: My name is Humphrey Curtis and I am a postgraduate student in Computer Science at the University of Bristol. I am investigating the effects of an IoT 'Turrellian' LED lamp orientated by your pulse and skin temperature and designed to improve your mood. Both devices will be delivered to you via courier on the day of testing. Consequently, testing of the device will take place via Skype call and I will fully supervise the entire procedure personally.

Do I have to take part? – No participation is entirely voluntary

Can I withdraw at any time? - Yes, you can withdraw at any time without giving a reason. However, if you wish to withdraw at a later date please note that once the thesis has been submitted in early September – you cannot withdraw.

What do I have to do? – Firstly, you will require a working email address and safe delivery location for both lamps in boxes via courier. Prior to experimentation, you will be required to virtually or scan the signed consent form and email it back to me. Following this, you will be required to have the Skype app accessible to proceed with our pre-arranged call. During experimentation, you will be required to connect a non-invasive and non-medical sensor which is worn like a Fitbit or watch, which will drive the Turrellian lamp coloured lighting changes based off pulse and skin temperature – this will be demonstrated. You will then be asked to interact with the application yourself and enjoy the LED light display for a short period of time. Following this, you will be asked to enjoy a secondary Phillips Hue smart bulb and fill in the second questionnaire concerning your thoughts on the second lamp. At which point you will be asked to fill in two questionnaires via links, which will be emailed to you and hosted on Google Forms.

How will the findings be used? – The data collected from this study will be used in an MSc thesis for submission to the University of Bristol. It potentially may also be used in articles for publication in journals and conference proceedings.

Will my taking part in the study be kept confidential? – No personally identifying information will be recorded during data collection. Any personal information recorded as part of the consent process or through the experimentation will be kept strictly confidential. Any final write-ups of the questionnaire data gathered will not include any information that can be linked directly to you using an arbitrary participant number. This study fully adheres to guidelines concerning University of Bristol GDPR guidelines for 2020: <http://www.bristol.ac.uk/secretary/data-protection/gdpr/>. All anonymised data will be stored locally on my laptop with absolutely none stored in the cloud thus mitigating any data breaches. The data will equally be stored in anonymised CSV files. If you have any further questions about the management of your data, please do not hesitate to ask.

What are the possible disadvantages and risks of taking part? – There are no known risks associated with completion of the questionnaire. Full sanitization and cleaning will take place of the devices before they are delivered thus negating any risk to participants from being contaminated. Enclosed in the delivery box includes a return label for the courier to collect later that day – the lamps can be left outside for easy and safe collection. The lighting will respond to your skin temperature and heart rate readings in order to provide captivating coloured lighting which is designed to improve your mood. If the lighting is found to be distressing and/or uncomfortable – either LED light device can be immediately switched off and we can easily curtail experimentation prematurely. Withdrawal from experimentation is completely acceptable and no questions will be asked.

Please answer the following questions to the best of your knowledge

YES

NO

HAVE YOU:

- | | | |
|--|--------------------------|--------------------------|
| • been given information explaining about the study? | <input type="checkbox"/> | <input type="checkbox"/> |
| • had an opportunity to ask questions and discuss this study? | <input type="checkbox"/> | <input type="checkbox"/> |
| • received satisfactory answers to all questions you asked? | <input type="checkbox"/> | <input type="checkbox"/> |
| • received enough information about the study for you to make a decision about your participation? | <input type="checkbox"/> | <input type="checkbox"/> |

DO YOU UNDERSTAND:

That you are free to withdraw from the study and free to withdraw your data prior to final consent

- | | | |
|---|--------------------------|--------------------------|
| • at any time/ up until the point of anonymisation on xx.xx.xxxx? | <input type="checkbox"/> | <input type="checkbox"/> |
| • without having to give a reason for withdrawing? | <input type="checkbox"/> | <input type="checkbox"/> |

I hereby fully and freely consent to my participation in this study

Participant's signature: _____ Date: _____

Name in BLOCK Letters: _____

If you have any concerns related to your participation in this study, please direct them to the Faculty of Engineering Research Ethics Committee, via the Research Governance Team; research-governance@bristol.ac.uk

